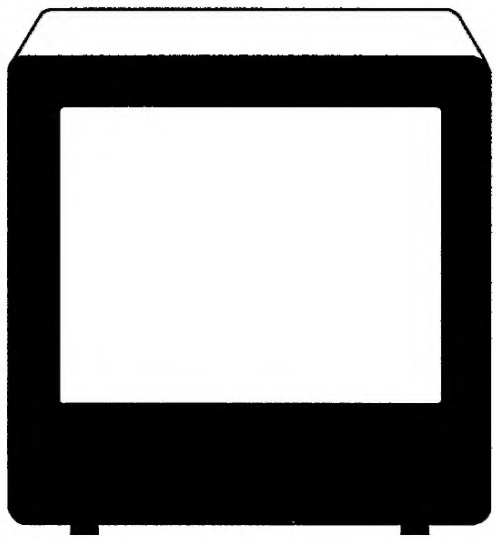
CONSUMER ELECTRONICS

PHILIPS



14GR2320
15GR2330

17GR2340
21GR2350

COLOUR TELEVISION
FARBFERNSEHER
TÉLÉVISEUR COULEUR
KLEURENTELEVISIE
TELEVISORE A COLORI
TELEVISOR EN COLOR
TELEVISÃO A CORES
FARVEFJERNSYN
FARGE-TV
FÄRG-TV
VÄRITELEVISIO

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PAL/SECAM (B + G)

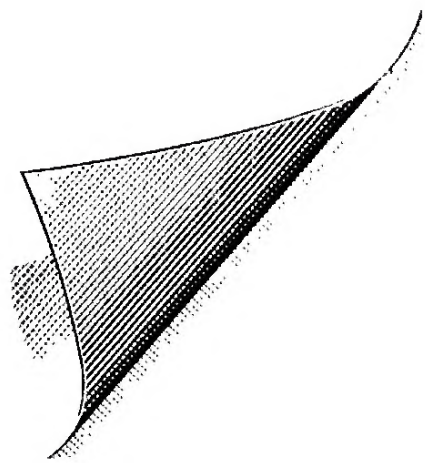
Only if your TV is suitable for PAL/SECAM
This colour television set is only suitable for reception of both PAL and SECAM (B + G) transmissions. Switch-over from PAL to SECAM (B + G) or vice versa is fully automatic. (GB)

Nur bei Fernsehgeräten, die fur PAL/SECAM - Empfang geeignet sind.
Dieses Farbfernsehgerät eignet sich nur für den Empfang von PAL- und SECAM (B + G)-Übertragungen. Umschaltung von PAL auf SECAM (B + G) erfolgt vollautomatisch. (D)

Uniquement si votre téléviseur est adapté aux standards PAL/SECAM
Ce téléviseur coulour n'a été conçu que pour la réception des émissions selon les systémes PAL et SECAM (B + G). La commutation PAL-SECAM (B + G) ou inversement se fait entièrement automatiquement. (F)

Solo se il vostro televisore è adatto per i sistemi PAL/SECAM
Questo televisore a colori é adatto per la ricezione solamente dei programmi trasmessi secondo i sistemi PAL e SECAM (B + G). La commutazione dal sistema PAL a quello SECAM (B + G) o viceversa avviene automaticamente. (I)

Si su aparado esta preparado para PAL/SECAM
Este televisor en color sirve sòlo para el sistema de transmision PAL y SECAM (B + G). El aparato se conmuta automaticamente de uno a otro. (E)



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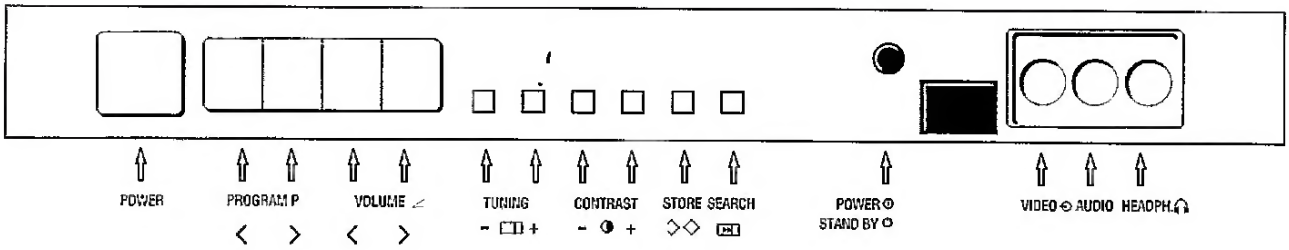

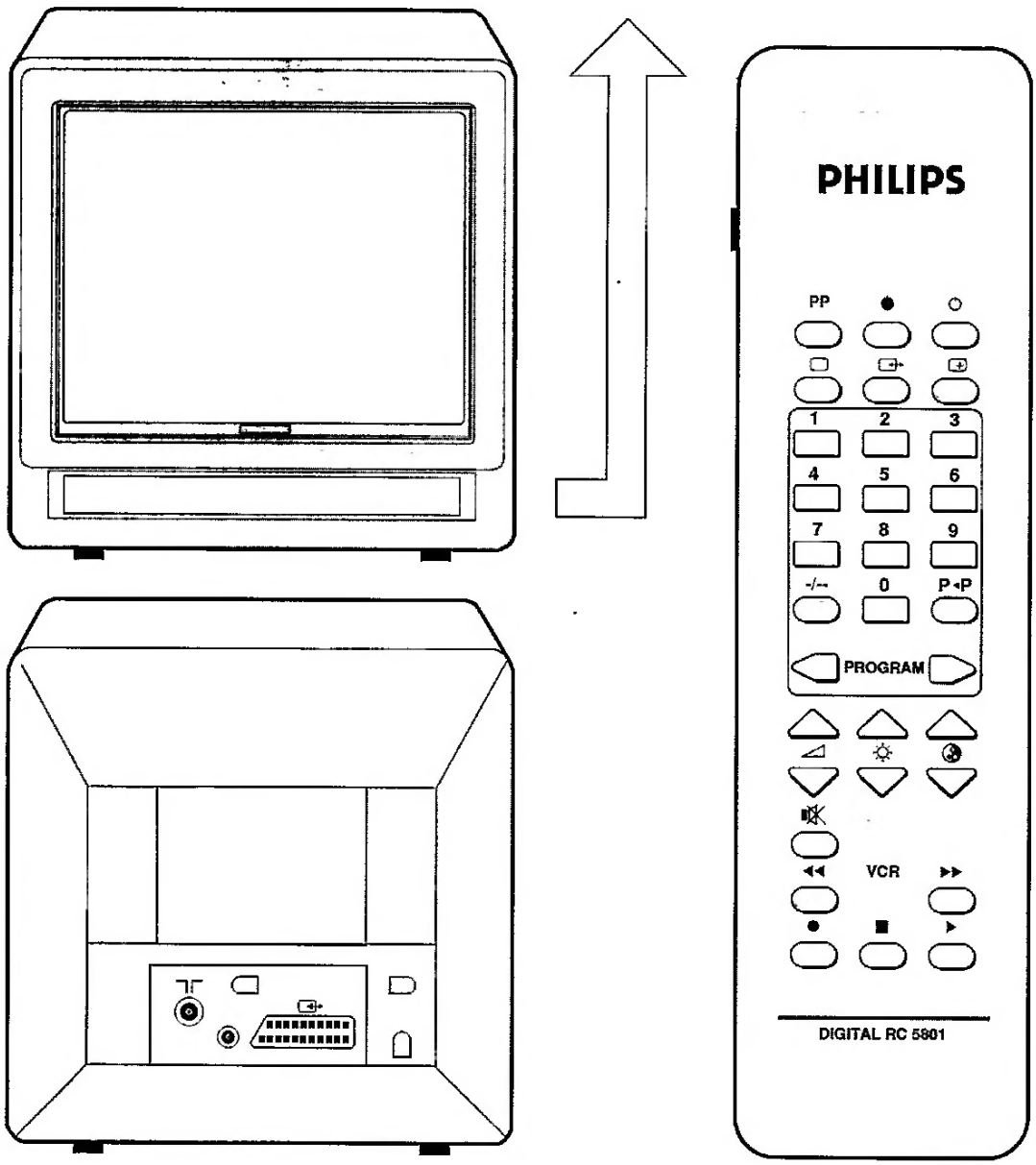

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Write in pencil your TV station (or device) selections here:

No.	TV station/device
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	

No.	TV station/device
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	

No.	TV station/device
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
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59	

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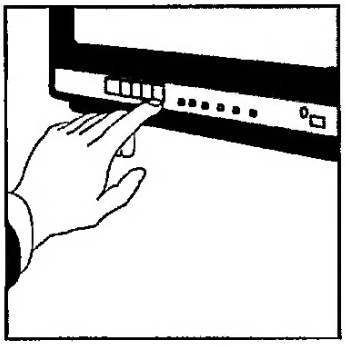
Installing and adjusting the TV

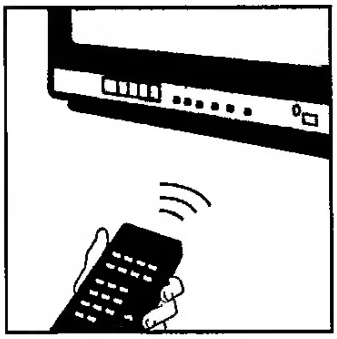
Page 2 to 3



introduction
to install tha TV
to connect the TV
to switch tha TV on and off
to insert batteries in the remote control handset
to test the remote control handset
to store TV stations on program numbers
to fine tune the picture quality

Operating the TV

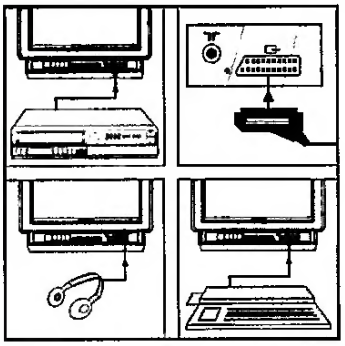
Page 4 to 5



to display picture and sound information
to select TV stations using program numbers
to change the picture and sound settings
to store your own personal preferenca valuas
to select stand-by mode

Additional features

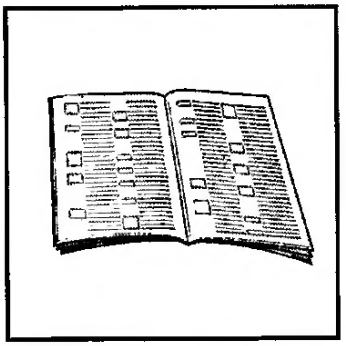
Page 6 to 7



to connect a video recorder
to connect other devices
to connect headphones

General information

Page 8



to clean the TV screen
fault indication

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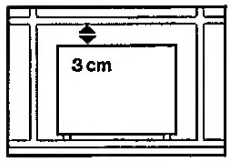
Installing the TV

Introduction
If you follow these operating instructions you will quickly learn how to adjust and operate all the functions of your new TV; but always read and perform the instructions in the sequence shown.

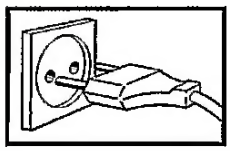
TV - Indicates actions that are performed using the TV buttons or sockets.

- indicates actions that are performed using the remote control handset.

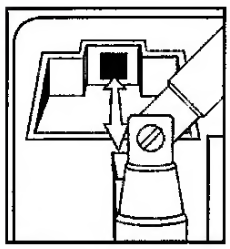


TV To install the TV
- Remove any packaging from the TV.
- Find the remote control handset and indoor aerial (if supplied) within the packaging.
- Place the TV on a solid base (e.g. a TV/video cabinet).
- Leave at least 3 cm around each side of the TV for ventilation.

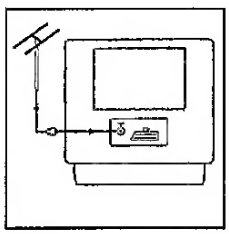
TV To connect the TV
IMPORTANT: The TV is only suitable for a mains voltage of 220/240 V ~, 50 Hz (Consult your dealer if the mains supply is different).



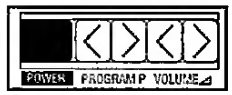
- Connect the TV to the mains supply socket.



- Fix the indoor aerial at the mounting-socket located at the top left of the rear panel of the TV (unless an outdoor aerial is to be used).



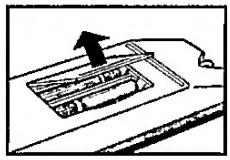
- Connect the aerial plug to the socket located at the back of the TV.



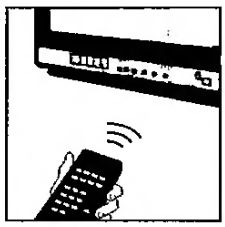
TV To switch the TV on
- Press the ⏻ power button on the front of the TV.
- If the GREEN colour is displayed on the lamp below the screen then the TV is switched on.

- If the RED colour is displayed on the lamp below the screen then you must press the ∨ P or ∧ P program button. The TV will then switch on and the GREEN colour will be displayed on the lamp (for further information refer to the section 'to select stand-by mode').

TV To switch the TV off
- Press the ⏻ power button on the front of the TV.
(If you went to switch off the TV temporarily refer to the section 'to select stand-by mode'.)



To insert batteries in the remote control handset
- Remove the battery cover on the back of the remote control handset.
- Insert the two batteries supplied (type LR03 1.5V).
- Replace the battery cover.



To test the remote control handset
- Switch on the TV.
- Hold the remote control handset and direct it towards the GREEN coloured lamp below the TV screen.
- Press any **digit** button on the remote control handset. The GREEN coloured lamp will 'flesh' ORANGE each time a button is pressed.

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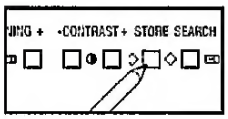
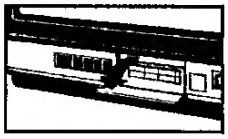
Adjusting the TV

The control buttons needed to search for, then store, TV stations on program numbers are on the front of the TV.



To prevent accidental changes to the selected TV stations stored on program numbers, the **store** (◇ ◇) button must be pressed using a pencil.



However on certain TV models the buttons you will need to adjust the TV are behind a control-panel flap; You must pull this control-panel flap forward to access the control buttons, and can close it once eny required changes have been made. On these TV models the **store** (◇ ◇) button can be pressed using your finger.

TV To store TV stations on program numbers
(Upto 60 TV stations can be stored on program numbers using the following method.)

1. Press the ◇ ◇ button, so that information is displayed on the screen about the current program number.

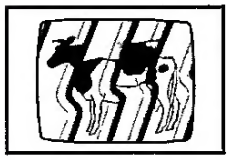
2. Press the ⊡ button so that the TV **automatically** searches until a TV station is found and displayed on the screen. Press this button again if you want to continue searching.

3. Select the required program number (0 to 59) by pressing the < **P** or > **P** program button. The selected program number is displayed on the screen.

4. Press the ◇ ◇ button to store this selection. The program number information is now removed from the screen.

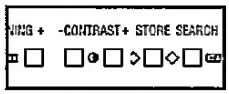
Repeat steps 1 to 4 until all the TV stations you require have been stored on program numbers.

Note: You can write your TV station selections in the table provided in the inside cover.

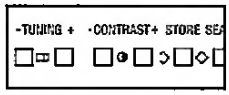


TV To fine tune the picture quality
(The picture from a TV station or a device such as a video recorder may be affected by interference, e.g. from other strong signal sources.)

The picture quality may be improved using the following method:



1. Press the ◇ ◇ button to display the program number information.



2. Press the — ⊡ or + ⊡ button, and release it immediately, so that the picture is fine tuned.

3. Press the ◇ ◇ button to store these changes.

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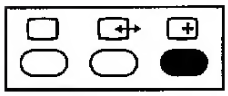
Operating the TV

You can now operate your TV either using the remote control handset or directly using the TV buttons.

- Switch on the TV by pressing the ⏻ power button on the front of the TV.

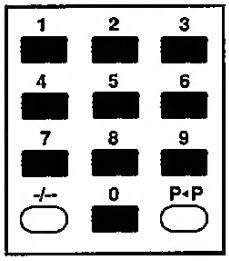


To display picture and sound information
(The 'On-Screen-Display' allows you to see the information stored for a particular program number and TV station.)
- Press the ⊡ button to display the information on the screen.

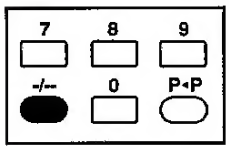
If you now make changes to the picture and sound using the appropriete buttons, then a **moving bar** is displayed which represents these changes as they are being mede.
- Press the ⊡ button again to switch off the information displey.

To select TV stations using program numbers

After the TV is switched on:

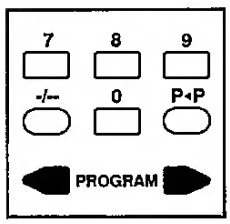


To select TV stations using program numbers 0 to 9
- Press the eppropriate **digit** button on the remote control handset. The selected program number and TV station now appeer on the screen.
- Press a different **digit** button to make another selection.

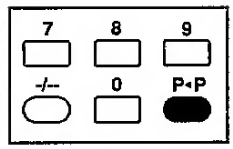


To select TV stations using program numbers 10 to 59
- Press the -/-- button.

P-- is displayed on the screen.
- Press **two** appropriate **digit** buttons. The selected program number and TV station now appear on the screen.
- Repeat the above procedure to make another two-digit program selection.



To select a lower or higher program number
- Press the ◁ **PROGRAM** button to select a **lower** program number.
- Press the ▷ **PROGRAM** button to select a **higher** program number.

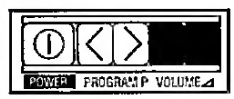


To select the previously used program number
- Press the P◂P button to select the previous program number.

TV To select TV stations using the TV buttons
- Press the ﹤P program button to select a **lower** program number.
- Press the ﹥P program button to select a **higher** program number.

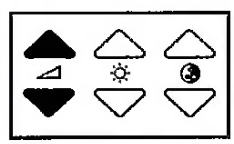
TV and To change the picture and sound settings

When the TV is first switched on the picture and sound settings are always at preferred or 'personal preference' values.

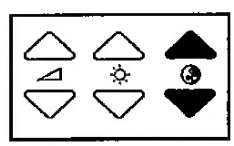


TV To change the volume (◿)
- Press the ﹥button to increase the volume.
- Press the ﹤button to decrease the volume.

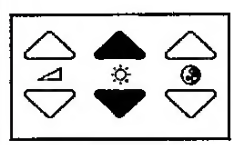
TV To change the contrast ot the picture (◑)
- Press the + button to increase the amount of contrast.
- Press the — button to decreaso the amount of contrast.



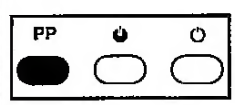
To change the volume (◿)
- Press the △ button to increase the volume.
- Press the ▽ button to decrease the volume.



To change the colour intensity (◍)
- Press the △ button to increase the colour intensity.
- Press the ▽ button to decreaso the colour intensity.



To change the brightness (☼)
- Press the △ button to increase the brightness.
- Press the ▽ buttton to decrease the brightness.



To return to the standard velues
- Press the PP button.

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TV and To store your own personal preference (PP) values

- Press the ◇ ◇ button on the TV to display the program number information.
- Change the picture and sound settings (e.g. volume, contrast) using the remote control handset or TV controls.
- Press the ◇ ◇ button on the TV to store these changes. The program number information is now removed from the screen.

To select stand-by mode

The TV can be put into stand-by mode in three ways:

1. Directly

- Press the ⏻ button. The RED colour is displayed on the lamp located below the screen, and the TV is put into stand-by mode.

2. Using the timer

(With this method you can select a time period after which the TV switches to stand-by mode.)

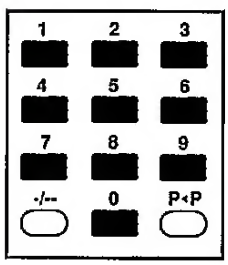
- Press the ⏻ button until the required time period is displayed on the screen (the time period can be set in steps of 15 minutes starting from 90 minutes downwards).

During the final minute of the selected time period, '01' is displayed on the screen informing you that the TV is going to switch to stand-by mode. At the end of this time period the TV switches to stand-by mode and the RED colour is displayed on the lamp located below the screen.

3. Automatically

Approximately 15 minutes after a TV stetion stops broadcasting ('closedown') the TV switches itself automatically to stand-by mode.

TV or To switch on the TV from stand-by mode

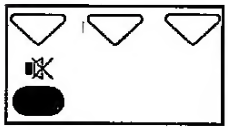


- Press a digit button on the remote control handset so that a program number is selected.

Or,

- Press the < P or > P button located on the front of the TV.

The RED colour lamp (located below the screen) changes to GREEN when the TV is switched on from stand-by mode.



To switch off the sound

- Press the 🔇 button to switch off ('mute') the sound.

🔇 is displayed on the screen.

- Press the 🔇 button again to switch the sound on.

🔇 is removed from the screen.

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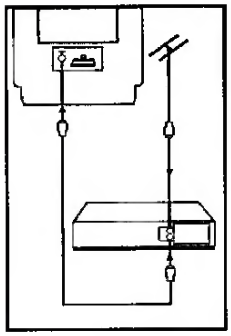
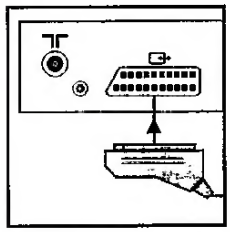
Additional features



To connect a video recorder
(First you must refer to the operating manual supplied with your video recorder for connection details.)
- Switch off the TV before connecting the video recorder.
- Connect the TV aerial cable to the input on the video recorder.
- Connect one side of the cable supplied with the video recorder to the TV output of the video recorder and the other side of the cable to the input of the TV.

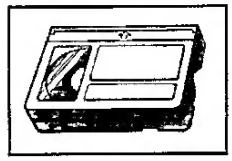
Additionally,
- A video recorder or camcorder can be connected at the video/audio input sockets (cinch type) at the front of the TV for 'playback' of tapes only.



or,
- The video recorder can also be connected at the Euroconnector socket at the back of the TV (a support-bracket is also provided for the Euroconnector cable on the back of the TV).

Note: To obtain an optimal sound and picture signal we advise that you do not connect the video/audio input sockets and the Euroconnector simultaneously.

To store the video recorder signal on a program number



- Switch on the TV.

1. Insert a pre-recorded tape in the video recorder, and press the 'PLAY' button on the video recorder.

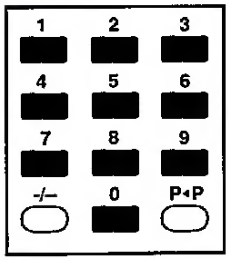
2. Press the ◇ button so that the program number information is displayed.

3. Press the button so that the TV automatically searches for the video signal. If necessary press this button again until the video signal is located.

4. Select an available program number by pressing the **P** or **P** program button on the TV.

5. Press the ◇ button to store the video signal on the selected program number.

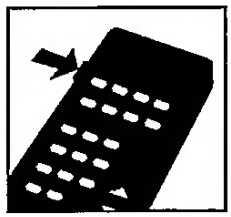
6. Press the 'STOP' button on the video recorder.



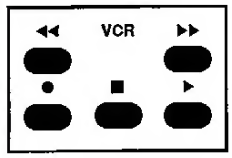
To select the program number for the video recorder signal
- Press the appropriate **digit** button (for the program number on which the video signal has been stored).
- To return to normal TV operation press another **digit** button to select a TV station.

If the Euroconnector or video/audio input sockets are used then refer to the section 'to select the device signal'.

To operate a video recorder using the remote control handset
(The following information only applies if your video recorder uses the RC5 system for the remote control handset.)



- Press and continue to hold the button located on the side of the remote control handset before selecting any of the following functions:



- Press the ▶ button to 'PLAY' the video cassette.
- Press the ● button to 'RECORD' on the video cassette.
- Press the ■ button to 'STOP' the video cassette.
- Press the ◀◀ button to 'REWIND" the video cassette.
- Press the ▶▶ button to 'FAST FORWARD' the video cassette.

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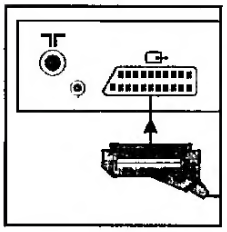
To connect other devices

e.g. computer, TV game, CD Video player.
(First you must refer to the operating manual supplied with the device.)

either,
A device with video (CVBS) output can be connected to the video/audio input sockets on the front of the TV.



or,
A device with a Euroconnector can be connected to the Euroconnector socket at the back of the TV (a support bracket is provided for the Euroconnector cable on the back of the TV).

or,
A device can be connected to the ⊓ socket at the back of the TV

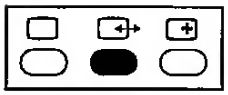
- Switch off the TV.
- Connect the device.

or,
Audio devices can be connected to the audio-output socket ('cinch' type) on the back of the TV.

To select the device signal

- Switch on the TV.

If the video/audio input sockets are used then:



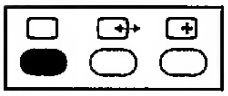
- Press the ⊡→ button so that EXT 1 is displayed on the screen.

When the Euroconnector is used then the device signal is available in either external mode EXT 1 or EXT 2.

- Press the ⊡→ button so that EXT 1 is displayed on the screen.

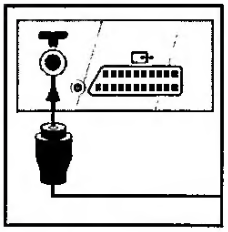
or,

- Press the ⊡→ button **again** so that EXT 2 is displayed on the screen.



- To return to TV operation press the ⊡ button.

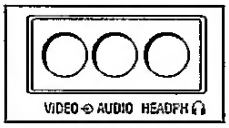
Note: It is **not** possible to search for a device signal using the ⊡ button when EXT 1 or EXT 2 mode is selected.

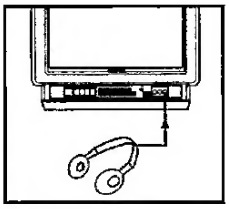


If the ⊓ socket is used then the signal must be stored on a program number before it can be selected (refer to the section 'to store the video recorder signal on a program number').

To connect headphones

(The headphones used must be 8 to 1000 ohm, and 6.3 mm in diameter.)





- Connect the headphones jack-plug to the ∩ socket located on the front of the TV.

Note: the loudspeaker is switched off automatically when the headphones are connected.

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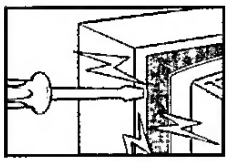
General information

To clean the TV screen
● It is possible to clean the TV screen using a slightly damp chamois leather. **Never** use aggressive cleaning agents.

Fault indication
iMPORTANT: Never attempt to repair a faulty TV yourself; always consult a skilled TV service engineer.



If the TV does not give the desired picture or sound quality after switching on then check that:
- the aerial is connected properly.
- ell controls and buttons are selected correctly.
- the selected TV station is not 'closed-down'.
- the TV is not incorrectly switched to EXT 1 or EXT 2.
- the sound is switched on (not 'muted').

switch off the TV if:
- Indication F0, F1, F2, F3, F4, F5, F6 or F7 is displayed on the screen.
- a bright white line is displayed across the screen.

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